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a resource manager that manages resources of jobs according to groups of workers, the resources allocated to each group, and each resource being further allocated for use by workers of the group in performing each [a corresponding] job to be carried out by the group;

a job monitor that monitors the jobs carried out by the groups, maintains the security of the resources allocated to the groups, and for a first group inhibits access to the resources thereof from another group to which permission to use the resources of the first group is not allocated; and

a scheduler that schedules the jobs of each group according to a procedure specific to the group and information provided by said job monitor.

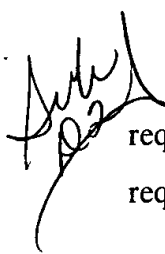
2. (TWICE AMENDED) The system according to claim 1, further comprising a job storage that stores a job definition form [containing previously defined information indicating rights to use the resources] defining the jobs for each group,

wherein said resource manager, job monitor, and scheduler exchange rights to use the resources among the groups according to the job definition form.

3. (as ONCE AMENDED) The system according to claim 1, further comprising a rearranging unit that manages and rearranges the members and resources of the groups according to progress of the jobs, wherein said job monitor monitors the jobs and resources of the groups according to information from said rearranging unit.

4. (as ONCE AMENDED) The system according to claim 1, wherein:
an emergency group is allowed to access every resource of every group; and
said job monitor accepts any request from the emergency group for accessing a resource.

5. (as ONCE AMENDED) The system according to claim 1, wherein said job monitor performs at least one of transferring a resource from one of the groups to another group and automatically changing the resources of any one of the groups according to a procedure.

 6. ~~(as ONCE AMENDED)~~ The system according to claim 1, further comprising a request unit that, when a first group makes a request to use a resource of a second group, requests the second group for permission to use the resource.

7. (as ONCE AMENDED) The system according to claim 6, wherein said request unit uses one of a telephone and a pager to request the second group for permission to use the resource.

8. (as ONCE AMENDED) The system according to claim 6, wherein said request unit uses one of a telephone, a notebook computer, an electronic notepad, and a workstation through one of a wide-area network, a personal computer communication network, and a wireless network to request the second group for permission to use the resource.

9. (as ONCE AMENDED) The system according to claim 6, further comprising a visual I/O unit and an audio I/O unit to request the second group for permission to use the resource.

10. (as ONCE AMENDED) The system according to claim 6, further comprising:
an input device, attached to a selected member of the second group, for identifying and locating the member; and

a positioning unit generating an image of the selected member, said input unit and positioning unit being used to directly request the member of the second group for permission to use the resource.

11. (as ONCE AMENDED) The system according to claim 6, wherein said job monitor holds the schedules of the jobs of the groups and exchanges the jobs among the groups.

12. (TWICE AMENDED) The system according to claim 6, wherein said job monitor limits [the] location, period, and each group to handle a resource, to thereby strictly maintain the security of the resource.

13. (as ONCE AMENDED) The system according to claim 6, wherein said job monitor indicates whether permission for use of the resource is to be granted upon approval of all or some of the members of the second group.

14. (as ONCE AMENDED) The system according to claim 6, wherein said job monitor adds a name of a group to which a resource belongs to a name of the resource, whereby plural resources having the same name can be allocated to the group.

15. (as ONCE AMENDED) The system according to claim 6, wherein said job monitor allocates a representative name to a set of resources and identically handles the resources under the representative name.

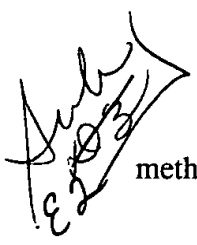
16. (as ONCE AMENDED) The system according to claim 10, wherein said input device is a virtual-reality device attached to the selected member, to identify the location of the member.

17. (as ONCE AMENDED) The system according to claim 10, wherein said input device is a head-mount display worn by the selected member so that the member may give permission to use the resource.

18. (as ONCE AMENDED) The system according to claim 10, wherein said input device is provided with at least one of a password and an ID, to prevent illegal access to said input device.

25. (as UNAMENDED) The system according to claim 9, wherein:
said visual I/O unit is a television camera; and
said audio I/O unit is a microphone.

26. (as UNAMENDED) The system according to claim 10, wherein:
said input unit is one of a sensor and a transmitter; and
said positioning unit is a television camera.

 27. (ONCE AMENDED) A method [for] of groupwise resource management, [the method] comprising:
managing resources of jobs according to groups of workers, the resources allocated to each [of a plurality of groups of workers] group carrying out the jobs using computers, and each resource [allocated to a group] being further allocated for use by workers of the group in performing [a corresponding] each job to be carried out by the group;

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monitoring the jobs carried out by each group;
maintaining security of each of the resources allocated to the groups;
inhibiting access to a resource of a first group from another group to which permission
to use the resource of the first group is not allocated; and
scheduling the jobs carried out by each group in accordance with a procedure specific
to the group and information provided through monitoring the jobs.

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28. ~~(as UNAMENDED)~~ ^{ONCE AMENDED} The method according to claim 27, further comprising
storing a job definition form containing previously defined information indicating rights to use
the resources.

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29. ~~(ONCE AMENDED)~~ ^{ONCE AMENDED} The method according to claim 28, wherein the previously
defined information identifies for each job carried out by each group at least one of a job
period, group members, processes, and the resources allocated to the job carried out by the
group.

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30. ~~(ONCE AMENDED)~~ ^{ONCE AMENDED} A computer-readable medium encoded with a program for
groupwise resource management, said program including the functions of:

managing resources of jobs according to groups of workers, the resources allocated to
each [of a plurality of groups of workers] group carrying out the jobs using computers, and
each resource [allocated to a group] being further allocated for use by workers of the group in
performing [a corresponding] each job to be carried out by the group;

monitoring the jobs carried out by each group;
maintaining security of each of the resources allocated to the groups;
inhibiting access to a resource of a first group from another group to which permission
to use the resource of the first group is not allocated; and

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scheduling the jobs carried out by each group in accordance with a procedure specific to the group and information provided through monitoring the jobs.

31. (ONCE AMENDED) The computer readable medium of claim 30, wherein the previously defined information identifies for each job carried out by each group at least one of a job period, group members, and the resources allocated to the job to be carried out by the group.

32. (ONCE AMENDED) The system according to claim 2, wherein the [previously defined information] the job definition form identifies for each job carried out by each group at least one of a job period, group members, and the resources allocated to the job to be carried out by the group.

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33. (as UNAMENDED) A system for managing resources used by groups of workers carrying out jobs through computers, said system comprising:

a resource manager to maintain allocation information indicating allocation of a specified resource to one or more groups of workers, and to determine whether the specified resource is available to a first group based on the allocation information; and

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a job monitor to receive from said resource manager information indicating whether the specified resource is available to the first group, and to request permission for the first group to access the specified resource from a second group to which the resource is allocated when the received information indicates the specified resource is not available to the second group.

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34. (as UNAMENDED) A system for managing resources used by groups of workers carrying out jobs through network clients, said system comprising: